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Special Provision for Expansion Joints

April 18, 2003

This special provision was developed by the Bureau of Materials and Physical Research to require plastic expansion caps in lieu of metal pinch stops on the ends of dowel bars in expansion joints. It should be inserted into all contracts involving the construction of expansion joints.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the August 1, 2003 and subsequent lettings. The Project Development and Implementation Section will include the paper copy in the contract.

This special provision will be available on the transfer directory April 18, 2003.

80103m

EXPANSION JOINTS (BDE)

Effective: August 1, 2003

Add the following paragraph after the second paragraph of Article 420.10(e) of the Standard Specifications:

“After the dowel bars are oiled, plastic expansion caps shall be secured to the bars maintaining a minimum expansion gap of 50 mm (2 in.) between the end of the bar and the end of the cap. The caps shall fit snugly on the bar and the closed end shall be watertight. For expansion joints formed using dowel bar basket assemblies, the caps shall be installed on the alternating free ends of the bars. For expansion joints formed using a construction header, the caps shall be installed on the exposed end of each bar once the header has been removed and the joint filler material has been installed.”

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